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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/517,405	12/08/2004	Eyal Artsiely	1147RAV-US	6870
7590	05/05/2006		EXAMINER	
David Klein Dekel Patent Ltd Room 27 18 Menuha VeNahala Street Rehovot Israel, 76209 ISRAEL			LUGO, CARLOS	
			ART UNIT	PAPER NUMBER
			3676	
			DATE MAILED: 05/05/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/517,405

Applicant(s)

ARTSIELY, EYAL

Examiner

Carlos Lugo

Art Unit

3676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 December 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6, 10, 11 and 14-16 is/are rejected.
- 7) ☒ Claim(s) 7-9, 12 and 13 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 December 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Drawings***

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the door lock system, as claimed in claim 16, must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement-drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the examiner does not accept the changes, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Objections***

2. **Claim 7 is objected** to because of the following informalities:

- Claim 7 Line 2, change "comprises a groove" to -comprises an additional groove-.

Appropriate correction is required.

***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

- The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

4. **Claim 15 is rejected** under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 15 recites that the mechanism further comprises an element actuable by rotation of the rotatable element.

At the instant, it is unclear what element of the invention is actuable by rotating the rotatable element (12). Therefore, the claim will not be examined until appropriate correction and/or explanation is provided.

***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

**6. Claims 1-6,10,11,14, and 16 are rejected** under 35 U.S.C. 102(b) as being anticipated by EP Pat No 634,552 to Bode (Bode '552).

Regarding claim 1, Bode '552 discloses a rotary motion mechanism comprising a rotatable element (27) geometrically lockable at two points of travel; and a linear motion element (11) linked to the rotatable element. The linear motion element is adapted to move in response to a linear motion imparted thereto and to cause rotation of the rotatable element.

As to claim 2, Bode '552 discloses that the points of travel comprise limits of travel.

As to claim 3, Bode '552 discloses that the two points of travel are defined by structure (F) formed in the rotatable element.

As to claim 4, Bode '552 illustrates that the structure (F) comprises a plurality of grooves adapted for receiving therein a portion (46) of the linear motion element (11), wherein one of the grooves (37) defines a first point of travel of the rotatable element when the portion of the linear motion element is received therein, and another of the grooves (42) defines a second point of travel of the rotatable element when the portion of the linear motion element is received therein.

As to claim 5, Bode '552 illustrates that the rotatable element is rotatable about a pivot (26) and at least two of the grooves are offset from the pivot.

As to claim 6, Bode '552 illustrates that the linear motion element (11) is adapted to cause the rotatable element (27) to rotate when the portion (46) of the linear motion element is not positioned in the grooves that define the points of travel.

As to claim 10, Bode '552 discloses that the rotatable element comprises a hook (30).

As to claim 11, Bode '552 discloses that the linear motion element comprises a link arm coupled with the rotatable element.

As to claim 14, Bode '552 further illustrates that the mechanism comprises a linkage apparatus adapted to move the linear motion element in the linear motion (Figure 1)

As to claim 16, Bode '552 illustrates that the mechanism system comprises a portion of a door lock system (Figure 1).

**7. Claims 1-3,10,11,14 and 16 are rejected** under 35 U.S.C. 102(b) as being anticipated by US Pat No 5,269,586 to Hahn et al (Hahn).

Regarding claim 1, Hahn discloses a rotary motion mechanism comprising a rotatable element (20) geometrically lockable at two points of travel; and a linear motion element (11) linked to the rotatable element. The linear motion element is adapted to move in response to a linear motion imparted thereto and to cause rotation of the rotatable element.

As to claim 2, Hahn discloses that the points of travel comprise limits of travel.

As to claim 3, Hahn discloses that the two points of travel are defined by structure (22) formed in the rotatable element.

As to claim 10, Hahn discloses that the rotatable element comprises a hook (20).

As to claim 11, Hahn discloses that the linear motion element comprises a link arm coupled with the rotatable element.

As to claim 14, Hahn further discloses that the mechanism comprises a linkage apparatus (10) adapted to move the linear motion element in the linear motion.

As to claim 16, Hahn illustrates that the mechanism system comprises a portion of a door lock system (Figures 2 and 3).

***Allowable Subject Matter***

8. **Claims 7 and 12 are objected** to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
9. **Claims 8,9 and 13 would also be allowed** because the claims depend from claims 7 and 12 respectively.
10. At the instant, Bode '552 fails to disclose that the structure comprises an additional groove and that the link arm comprises a first pin at one end that engages a slot formed in the linear motion element and a second pin at a second end received in the grooves.

Bode '552 discloses only two grooves and that the link arm includes a pin (46) received in the grooves. At the opposite end, Bode '552 discloses that the link arm includes a slot (16), not a pin member, which receives a pin member (22) of a latch plate (21). There is not motivation and/or suggestion to reverse these components, i.e., to provide the slot in the latch plate and the pin in the link arm.

As to Hahn, Hahn fails to disclose that the structure comprises a plurality of grooves and that the that the link arm comprises a first pin at one end that engages a slot formed in the linear motion element and a second pin at a second end received

in the grooves. Hahn discloses that the structure only comprises one groove and that the link arm only includes one pin member (24).

***Conclusion***

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlos Lugo whose telephone number 571-272-7058. The examiner can normally be reached on 9-6pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Glessner can be reached on 571-272-6843. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-5771.

A handwritten signature in black ink, appearing to be 'CL' followed by a horizontal line.

Carlos Lugo  
Patent Examiner AU 3676  
May 2, 2006.